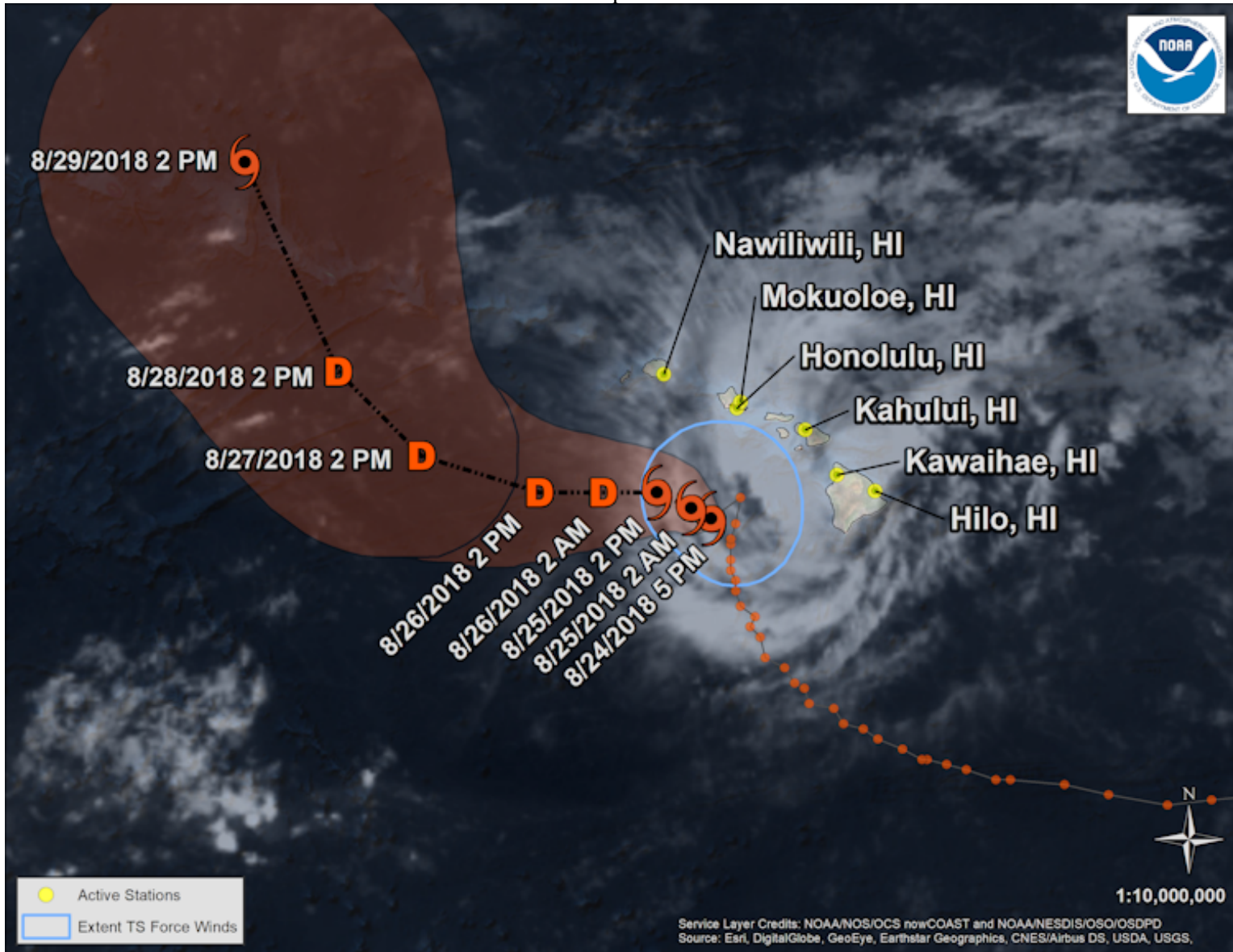




Hurricane Lane QuickLook
Posted: 18:00 HST 08/24/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/24/2018 18:00 HST water levels across the Hawaiian Islands remain elevated above normal tide levels. Water levels range between 0.3 and 0.7 feet above tidal predictions.

The strongest winds are presently being observed at Nawiliwili (Kaua'i), Mokuoloe (O'ahu), and Kahului (Maui) with winds around 20 kts and gusts up to 25 kts measured over the last several hours. Winds of 5 to 10 kts with gusts up to

15 knots are being measured on the island of Hawai'i. Barometric pressure is stabilizing across the islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: RCL

Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Lane Advisory Number 43
NWS Central Pacific Hurricane Center Honolulu HI
500 PM HST Fri Aug 24 2018

...LANE WEAKENS TO A TROPICAL STORM SOUTH OF OAHU BUT RAIN BANDS
WILL STILL BRING MORE FLOODING AND DAMAGING WINDS TO PARTS OF
THE MAIN HAWAIIAN ISLANDS...

SUMMARY OF 500 PM HST...0300 UTC...INFORMATION

LOCATION...19.2N 158.4W
ABOUT 150 MI...240 KM SSW OF HONOLULU HAWAII
ABOUT 160 MI...255 KM W OF KAILUA-KONA HAWAII
MAXIMUM SUSTAINED WINDS...70 MPH...110 KM/H
PRESENT MOVEMENT...NW OR 315 DEGREES AT 3 MPH...6 KM/H
MINIMUM CENTRAL PRESSURE...985 MB...29.09 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Hurricane Warning for Oahu, Maui, Molokai, Lanai, and
Kahoolawe has been changed to a Tropical Storm Warning.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- * Oahu
- * Maui County...including the islands of Maui, Lanai, Molokai and
Kahoolawe
- * Hawaii County

A Tropical Storm Watch is in effect for...

* Kauai County...including the islands of Kauai and Niihau

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area.

Interests in the Northwestern Hawaiian Islands should monitor the progress of Tropical Storm Lane.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

DISCUSSION AND OUTLOOK

At 500 PM HST (0300 UTC), the center of Tropical Storm Lane was located near latitude 19.2 North, longitude 158.4 West. Lane is now moving toward the northwest near 3 mph (6 km/h) and this motion is expected to become more westerly with an increase in forward speed over the next couple of days. On the forecast track, the center of Lane will pass south of Kauai on Saturday.

Maximum sustained winds are near 70 mph (110 km/h) with higher gusts. Additional weakening is forecast during the next 48 hours, and Lane may become a remnant low later Saturday or Sunday.

Tropical-storm-force winds extend outward up to 140 miles (220 km) from the center.

The estimated minimum central pressure is 985 mb (29.09 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are still expected in and near rain bands that will affect Oahu, Maui County, and the Big Island tonight into Saturday. Tropical storm conditions are possible on Kauai starting Saturday.

RAINFALL: Excessive rainfall remains possible into the weekend, which could lead to additional flash flooding and landslides. Lane is expected to produce total rain accumulations of 10 to 20 inches in some areas. Localized storm total amounts up to 40 inches are possible, mainly on the windward side of the Big Island where over 30 inches of rain has already fallen in some areas.

SURF: Large swells generated by Lane will impact the Hawaiian

Islands into the weekend. These swells will produce high surf along exposed south and east shorelines through Saturday.

NEXT ADVISORY

Next intermediate advisory at 800 PM HST.

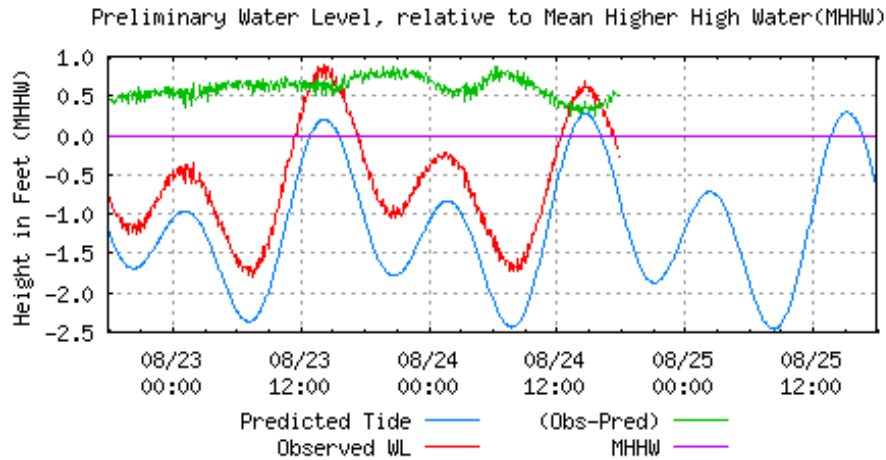
Next complete advisory at 1100 PM HST.

Forecaster R Ballard

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



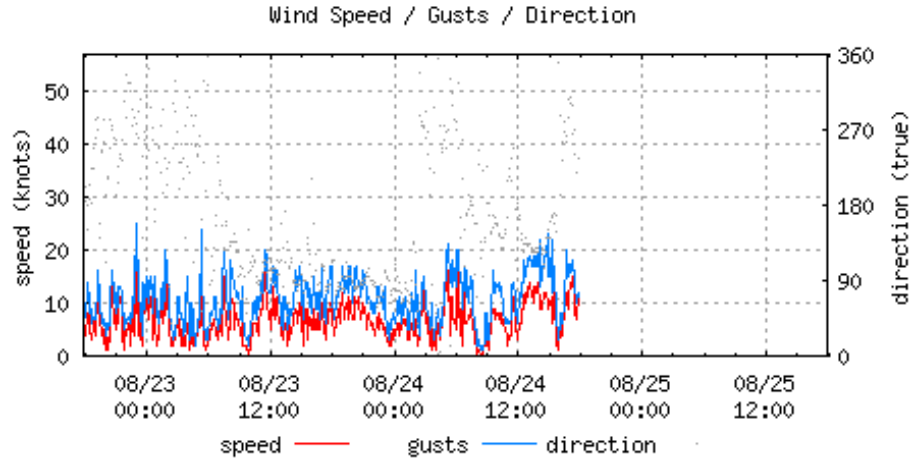
Last Observed Sample: 08/24/2018 17:48 (HST). Data relative to MHHW

Observed: -0.28 ft. Predicted: -0.80 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 08/25/2018 02:19 (HST), -0.72 ft.

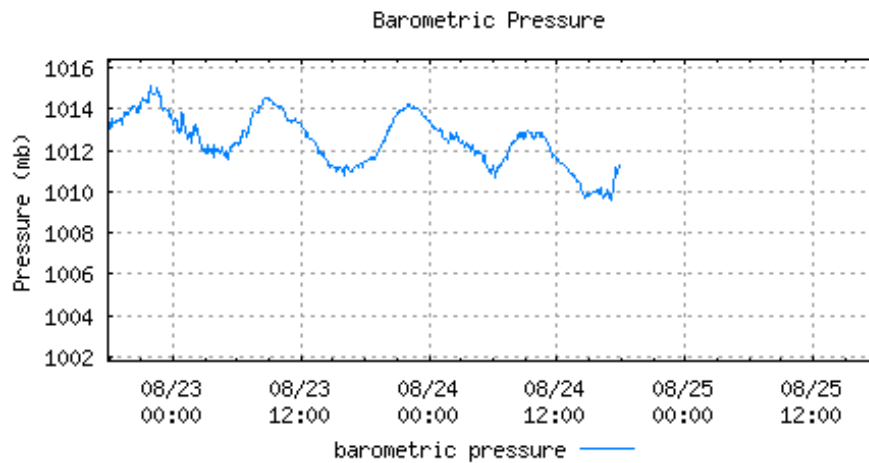
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/24/2018 17:48 (HST)

Wind Speed: 12 knots Gusts: 12 knots Direction: 237° T

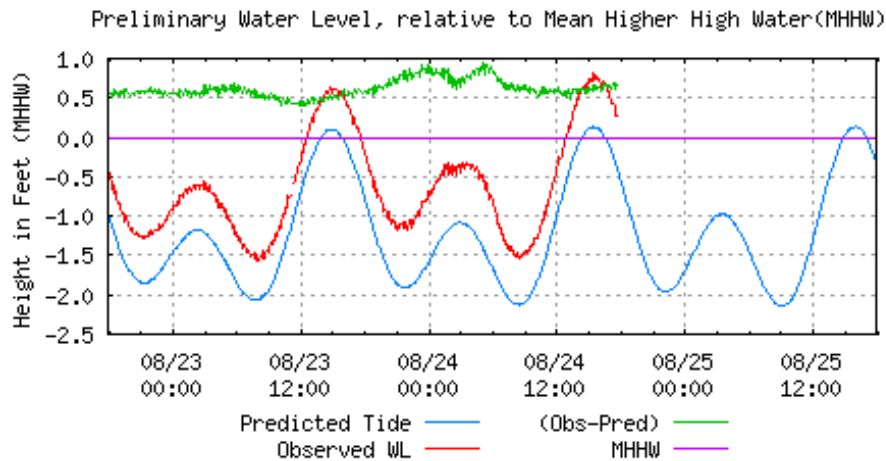
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/24/2018 17:48 (HST)

Barometric Pressure: 1011.3 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



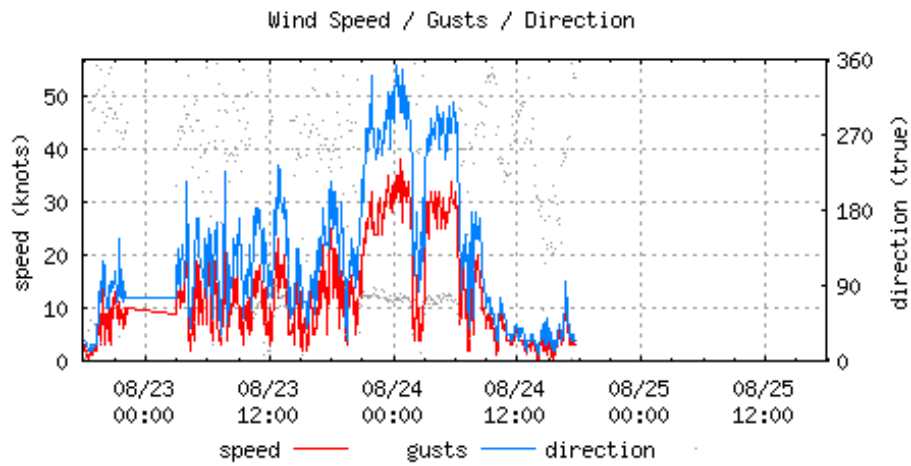
Last Observed Sample: 08/24/2018 17:42 (HST). Data relative to MHHW

Observed: 0.21 ft. Predicted: -0.43 ft. Residual: 0.64 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/25/2018 03:28 (HST), -0.98 ft.

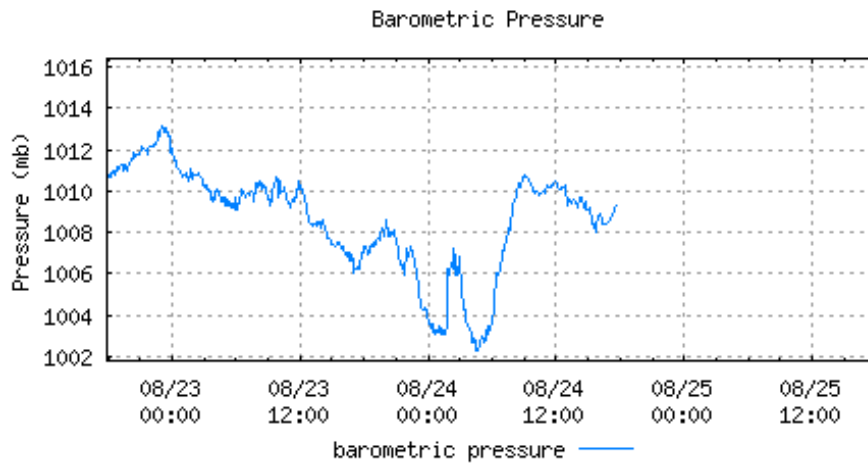
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/24/2018 17:42 (HST)

Wind Speed: 4 knots Gusts: 5 knots Direction: 339° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

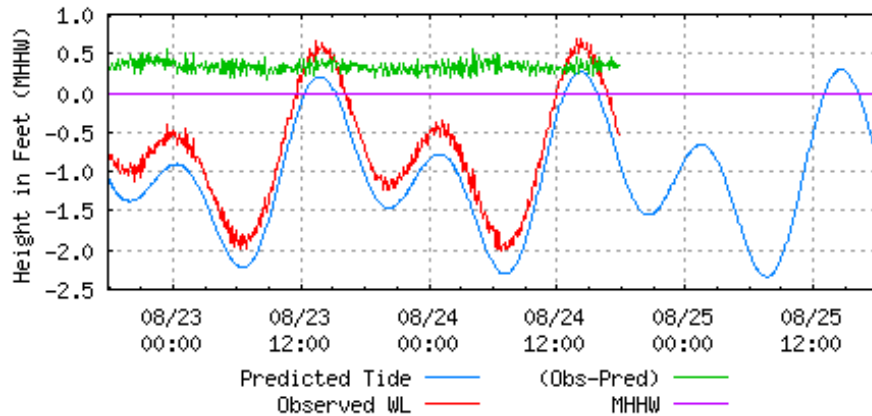


Last Observed Sample: 08/24/2018 17:42 (HST)

Barometric Pressure: 1009.5 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/24/2018 17:48 (HST). Data relative to MHHW

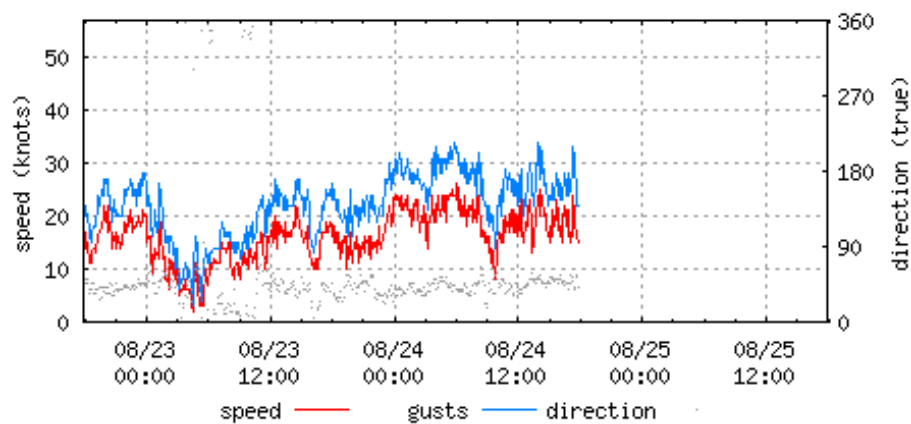
Observed: -0.52 ft. Predicted: -0.87 ft. Residual: 0.35 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 08/25/2018 01:30 (HST), -0.66 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

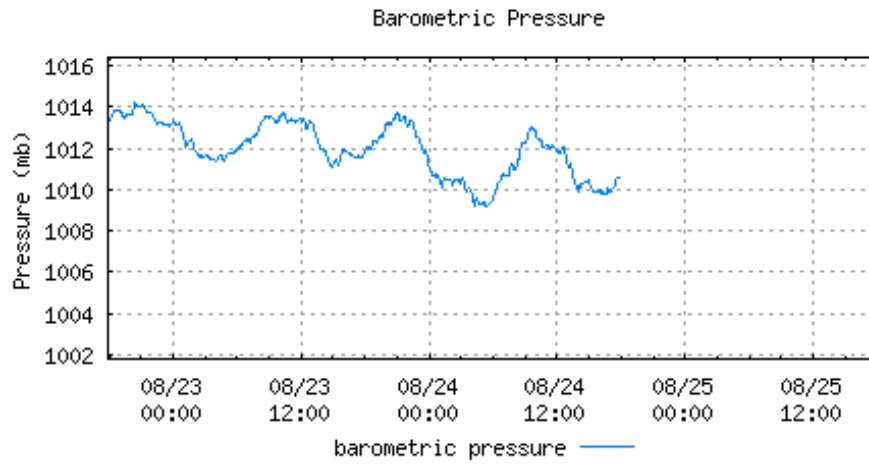
Wind Speed / Gusts / Direction



Last Observed Sample: 08/24/2018 17:48 (HST)

Wind Speed: 15 knots Gusts: 22 knots Direction: 42° T

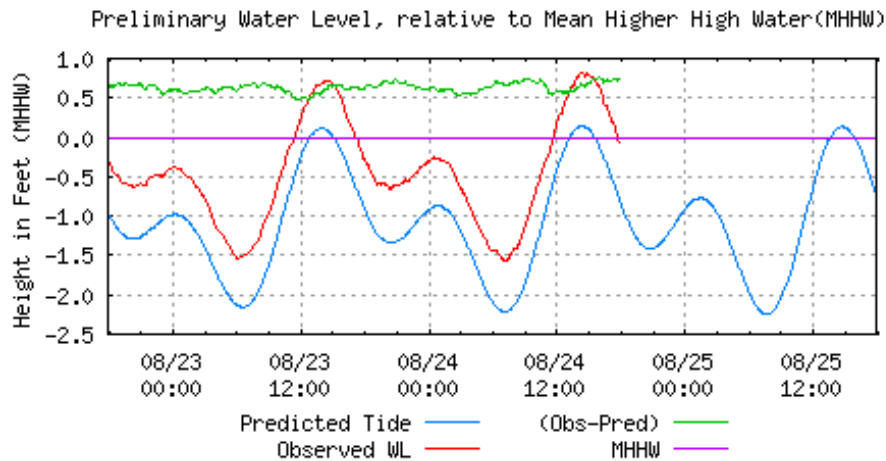
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/24/2018 17:48 (HST)

Barometric Pressure: 1010.6 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



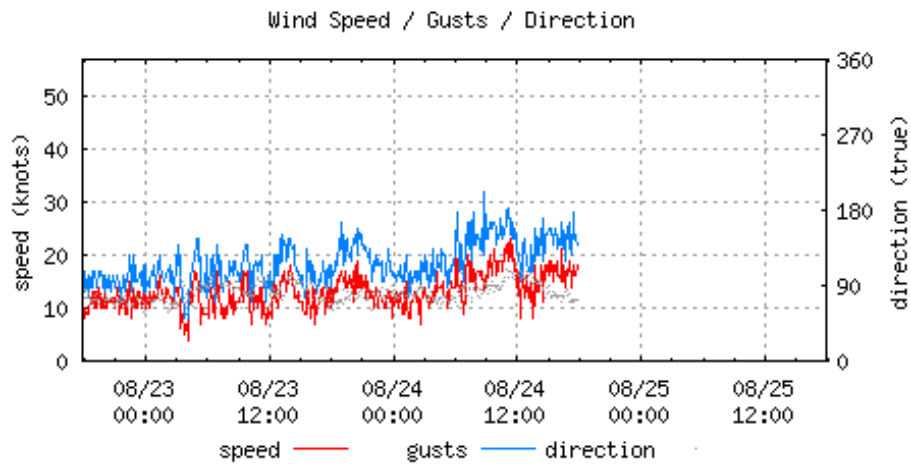
Last Observed Sample: 08/24/2018 17:54 (HST). Data relative to MHHW

Observed: -0.11 ft. Predicted: -0.82 ft. Residual: 0.71 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 08/25/2018 01:24 (HST), -0.77 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

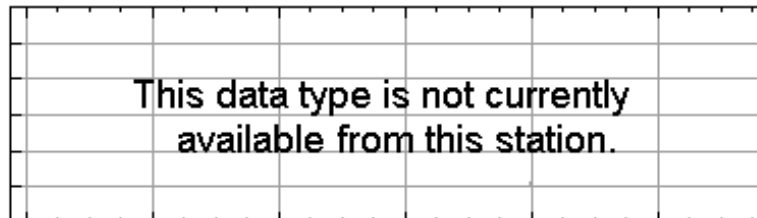


Last Observed Sample: 08/24/2018 17:54 (HST)

Wind Speed: 18 knots Gusts: 22 knots Direction: 73° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

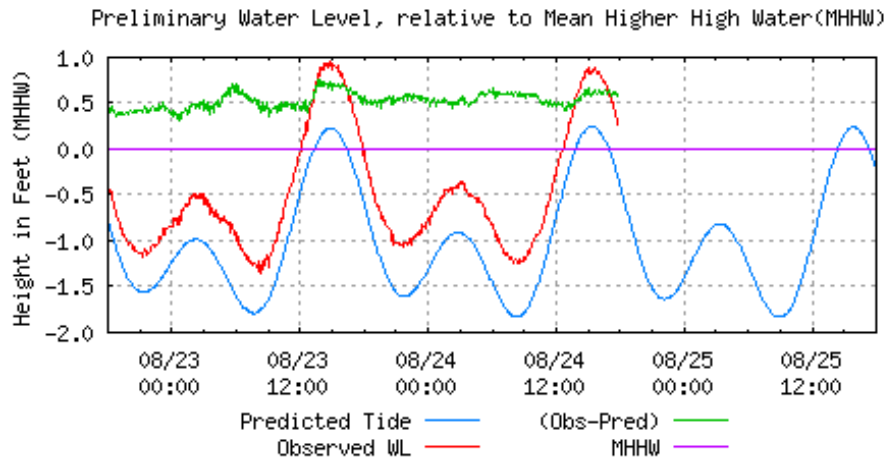
NOAA/NOS/CO-OPS



Last Observed Sample: 08/24/2018 17:54 (HST)

Barometric Pressure: 1011.5 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



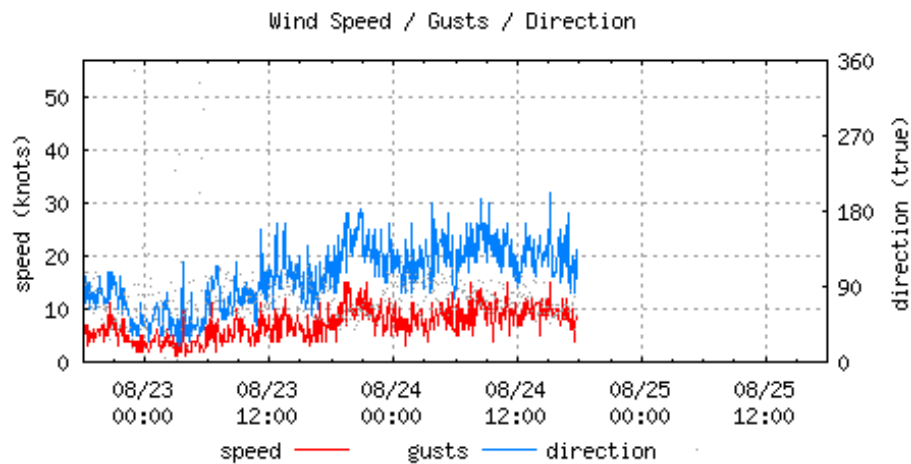
Last Observed Sample: 08/24/2018 17:48 (HST). Data relative to MHHW

Observed: 0.27 ft. Predicted: -0.31 ft. Residual: 0.58 ft.

Historical Maximum Water Level: Sep 11 1992, 1.47 ft.

Next High Tide: 08/25/2018 03:21 (HST), -0.82 ft.

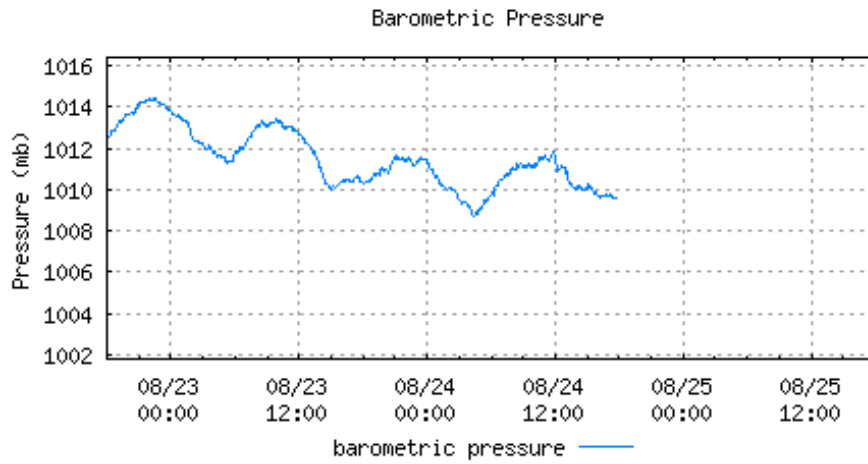
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/24/2018 17:48 (HST)

Wind Speed: 9 knots Gusts: 21 knots Direction: 63° T

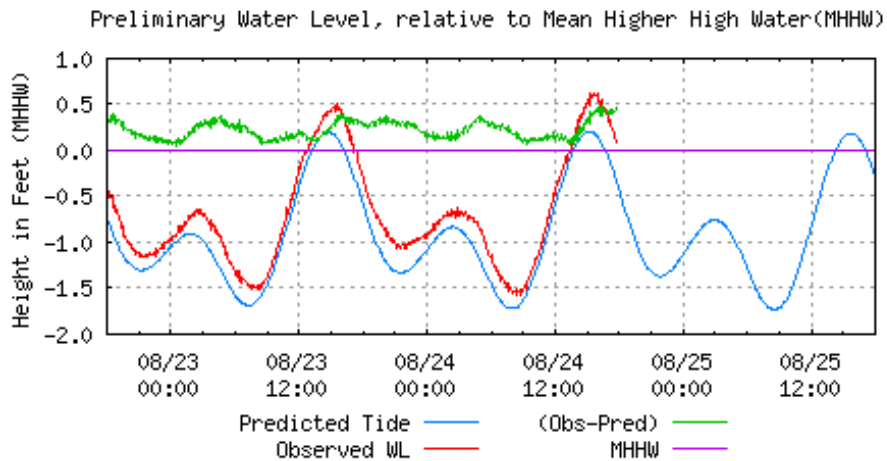
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/24/2018 17:48 (HST)

Barometric Pressure: 1009.6 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



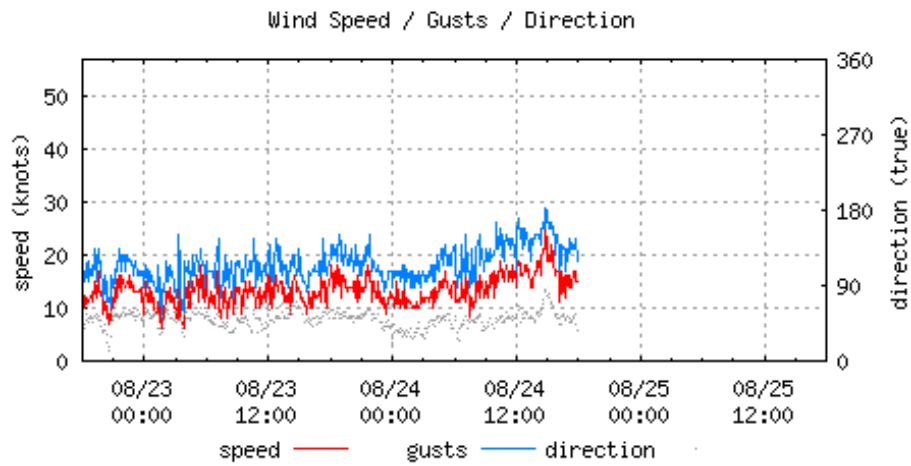
Last Observed Sample: 08/24/2018 17:54 (HST). Data relative to MHHW

Observed: 0.10 ft. Predicted: -0.36 ft. Residual: 0.46 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/25/2018 02:57 (HST), -0.76 ft.

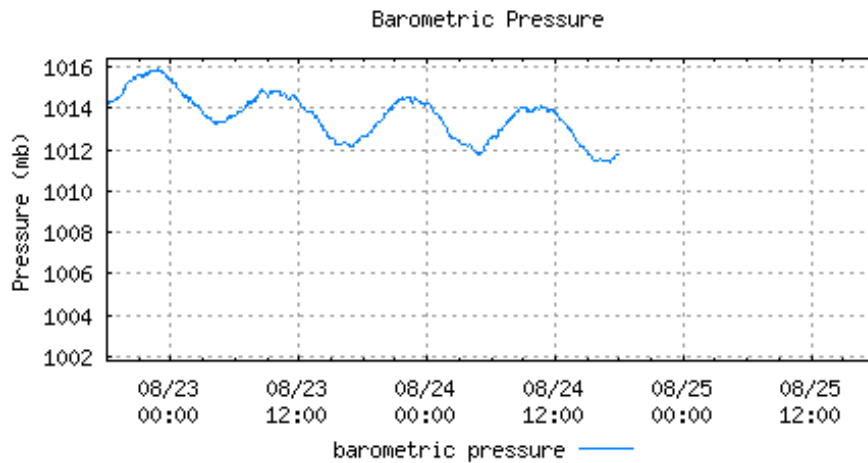
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/24/2018 17:54 (HST)

Wind Speed: 15 knots Gusts: 19 knots Direction: 36° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/24/2018 17:54 (HST)

Barometric Pressure: 1011.8 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/24/2018 17:48 (HST)	-0.28 ft	-0.80 ft	0.52 ft	0.69 ft
1617433	Kawaihae, HI	08/24/2018 17:42 (HST)	0.21 ft	-0.43 ft	0.64 ft	0.81 ft
1615680	Kahului, Kahului Harbor, HI	08/24/2018 17:48 (HST)	-0.52 ft	-0.87 ft	0.35 ft	0.70 ft
1612480	Mokuoloe, HI	08/24/2018 17:54 (HST)	-0.11 ft	-0.82 ft	0.71 ft	0.82 ft
1612340	Honolulu, HI	08/24/2018 17:48 (HST)	0.27 ft	-0.31 ft	0.58 ft	0.90 ft
1611400	Nawiliwili, HI	08/24/2018 17:54 (HST)	0.10 ft	-0.36 ft	0.46 ft	0.63 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce